

TradeReady® Floor System Specifier



Project Information

- Step 1:** Select the required Dead Load: 10 psf
- Step 2:** Select the required Live Load: 40 psf
- Step 3:** Select the Span Length of the required member: 1 Feet 1 Inches
- Step 4:** Select the required Live Load Deflection: L/360
- Step 5:** Select the required Total Load Deflection: L/240
- Step 6:** Select the Spacing on Center requirement: 12"

Show Products

Your search returned the top 5 products that matched your criterion.

Joist Member	Description	Size	Gauge	Flange
7.25"TDJ18	TDJ-3 TRADEREADY® JOIST-33K	7.25"	18	1-3/4"
8"TDJ18	TDJ-3 TRADEREADY® JOIST-33K	8"	18	1-3/4"
9.25"TDJ18	TDJ-3 TRADEREADY® JOIST-33K	9.25"	18	1-3/4"
10"TDW16	TDW-5 TRADEREADY® JOIST-50K	10"	16	2"
11.25"TDJ16	TDJ-5 TRADEREADY® JOIST-50K	11.25"	<u>16</u>	1-3/4"

use @ Hubcab
 &
 O'Brien



Dead Load: 15 psf
 Live Load: 40 psf
 Span Length: 12 Feet 6 Inches
 Live Load Deflection: L/360
 Total Load Deflection: L/240
 Spacing On Center: 12"

Joist Member	Description	Size	Gauge	Flange
11.25"TDJ16	TDJ-5 TRADEREADY® JOIST-50K	11.25"	16	1-3/4"

Product Specification

TradeReady® Joist

Product Code: TDJ5

Depth: 11-1/4"

Flange: 1-3/4"

Lip: 5/8"

Yield Strength: 50

Gauge: 16

Design Thickness: 0.056"

SSMA Code: N/A

Weight/Foot: 2.886

Product Complies With:

A.I.S.I "Specification for the design of cold-formed steel structural members"
 ASTM C-955

Gross Section Properties

Area: 0.882 in.²

Moment of inertia about x axis (Ix): 14.182 in.⁴

Moment of inertia about y axis (Iy): 0.28 in.⁴

Section Modulus about x axis (Sx): 2.521 in.³

Section Modulus about y axis (Sy): 0.197 in.³

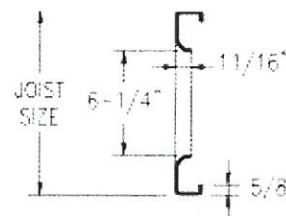
Distance between centroid and web centerline (X): 0.303 in.

Distance between centroid and shear center (Xo): -0.914 in.

St. Venant torsional constant (J): 0.000943 in.⁴

Warping constant (Cw): 7.263 in.⁶

Moment of inertia at knockout about x axis (Ix2): 13.489 in.



TRADE READY® JOIST 9-1/4" AND LARGER

Dietrich Metal Framing, Inc.
 Corporate Headquarters 500 Grant Street/Suite 2226
 Pittsburgh, PA 15219
 Phone: (412)281.2805

Dietrich Design Group
 1414 Field Street Building C
 Hammond, IN 46320
 Phone: (219)853.9474
 Toll Free: 1.800.USE.BIGD